



ATTORNEY DOCKET NO. 19264.0007U2
SERIAL NO. 10/072,739
Page 1 of 1

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		ATTORNEY DOCKET NO.: 19264.0007U2		SERIAL NO. 10/072,739			
		APPLICANT: Werner et al.					
		FILING DATE: February 8, 2002		GROUP: 2821			
U.S. PATENT DOCUMENTS							
EXAMINE R INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.H.	A1	6,140,975	10/31/00	Cohen	343	846	—
T.H.	A2	6,127,977	10/03/00	Cohen	343	700 MS	—
T.H.	A3	6,104,349	08/15/00	Cohen	343	702	—
FOREIGN PATENT DOCUMENTS							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
T.H.	A4	Article Evolutionary Design of Miniaturized Meander-Line Antennas for RFID Applications, by Marrocco et al., Proceedings of the <i>Antennas and Propagation Society International Symposium and USNC/URSI National Radio Science Meeting</i> , 2002, IEEE, Vol. 2, pp 362-365, San Antonio, Texas, June 16-21, 2002.					
	A5	Article A Uniplanar Compact Photonic-Bandgap (UC-PBG) Structure and Its Applications for Microwave Circuits, by Yang et al., published in <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 47, No. 8, August, 1999, pp 1509 -1514.					
	A6	Article Aperture-Coupled Patch Antenna on Uc-PBG Substrate, by Cocciali et al., published in <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 47, No. 11, November, 1999, pp 2123 -2130					
	A7	<i>Chaos and Fractals New Frontiers of Science</i> , by Heinz-Otto Peitgen et al. pp168-296, © 1988 by Springer-Verlag					
	A8	Article Fractal Arrays Based on Iterated Functions System (IFS), by Baharav , © 1999 IEEE, pp 2686-2689					
	A9	Chapter 2 of <i>Frontiers in Electromagnetics</i> , (IEEE Press Series on Microwave Technology and RF) Fractal-Shaped Antennas, by Puente et al., pp 48-203 © 2000.					
	A10	Practical Genetic Algorithms, by Haupt et al. ©1998 by John Wiley & Sons, Inc.					
T.H.	A11	Electromagnetic Optimization By Genetic Algorithms, edited by Rahmat-Samii et al., published by John Wiley & Sons, Inc. ©1999					
EXAMINER:	Tao Hu		DATE CONSIDERED:	12/23/05			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



ATTORNEY DOCKET NO. 19264.0007U2
SERIAL NO. 10/072,739
Page 1 of 1

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.: 19264.0007U2		SERIAL NO. 10/072,739			
		APPLICANT: Werner et al.					
		FILING DATE: February 8, 2002				GROUP: 2821	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)							
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.H.	B1	6,323,809	11/27/01	Maloney et al.	343	700 MS	—
T.H.	B2	6,107,975	08/22/00	Brennan et al.	343	853	—
T.H.	B3	5,867,397	02/02/99	Koza et al.	364	489	—
T.H.	B4	5,719,794	02/17/98	Altshuler et al.	364	578	—
FOREIGN PATENT DOCUMENTS							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
T.H.	B5	PCT International Search Report, International Application No. PCT/US02/03739, mailed December 18, 2002.					
	B6	Article A Design Approach for Dual-Polarized Multiband Frequency Selective Surfaces Using Fractal Elements, by Werner et al., published in IEEE, 2000, pp 1692-1695.					
	B7	Article Frequency Independent Features of Self-Similar Fractal Antennas, by Werner et al., published in IEEE 1996, pp 2050-2053.					
	B8	Article Fractal Antenna Engineering: The Theory and Design of Fractal Antenna Arrays, by Werner et al., published in IEEE Antennas and Propagation Magazine, Vol. 41, No. 5, October, 1999, pp 37-59.					
	B9	Article Genetic Algorithm Optimization of Stacked Vertical Dipoles Above a Ground Plane, by Werner et al., published in Antennas and Propagation Society International Symposium, 1997 Digest, pp 1975-1979.					
	B10	Article Toward the Synthesis of an Artificial Magnetic Medium, by Hagen et al., published in IEEE, 1999, pp 430-433.					
	B11	Article A Simple Broadband Dipole Equivalent Circuit Model, by Long et al., published in IEEE, 2000, pp 1046-1049.					
T.H.	B12	Article Fractal Coding in Genetic Algorithm (GA) Antenna Optimization, by Nathan Cohen, published in IEEE, 1997, pp 1692-1695.					
EXAMINER:		DATE CONSIDERED: 12/23/05					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with M PEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



ATTORNEY DOCKET NO. 19264.0007U2
SERIAL NO. 10/072,739
Page 1 of 1

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.: 19264.0007U2		SERIAL NO. 10/072,739			
		APPLICANT: Wemer et al					
		FILING DATE: February 8, 2002		GROUP: 2821			
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)							
U.S. PATENT AND PUBLISHED PATENT APPLICATION DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
T.H.	C1	US2003/0046042 A1	03/06/03	Butler et al	703	002	—
							RECEIVED
							TECHNOLOGY CENTER 2800
							MAY - 7 2003
FOREIGN PATENT DOCUMENTS							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
T.H.	C2	"High Impedance Electromagnetic Surfaces" by Sievenpiper, 1999					
	C3	"A High Impedance Ground Plane Applied to a Cellphone Handset Geometry" by Sievenpiper, 2000 IEEE					
T.H.	C4	"High-Impedance Metamaterial Surface using Hilbert-Curve Inclusions" by McVay et al, 2000 IEEE					
EXAMINER:		DATE CONSIDERED: 12/23/05					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



ATTORNEY DOCKET NO. 19264.0007U2

APPLICATION NO. 10/072,739

Page 1 of 1

Modified Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.: 19264.0007U2		APPLICATION NO. 10/072,739		
		APPLICANT: Werner et al.				
SUPPLEMENTAL LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		FILING DATE: February 8, 2002		GROUP: 2821		
U.S. PATENT AND PUBLISHED PATENT APPLICATION DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.H.	D1 6,498,587	12/24/02	Desclos et al	343	700 MS	—
	D2 6,483,481	11/19/02	Sievenpiper et al	343	909	—
	D3 6,081,242	06/27/00	Wingo	343	860	—
	D4 6,081,235	06/27/00	Romanofsky et al	343	700 MS	—
	D5 6,067,056	05/23/00	Lake	343	873	—
	D6 5,959,594	09/28/99	Wu et al	343	909	—
	D7 5,598,032	01/28/97	Fidalgo	257	67900 3 FIL	—
	D8 4,706,050	11/10/87	Andrews	333	2050	—
	D9 3,780,373	12/18/73	Holst et al	343	788 A	—
T.H.	D10 US20030034918	02/02/03	Werner et al	343	700 MS	—
FOREIGN PATENT DOCUMENTS						—
						—
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						—
T.H.	D11	“Genetic Optimization of Fractal Dipole Antenna Arrays for Compact Size and Improved Impedance Performance Over Scan Angle,” by Mummareddy et al, 2000 IEEE, pp 98-101.				—
	D12	“Low Voltage Tunable Barium Strontium Titanate Thin Film Capacitors for RF and Microwave Applications,” Tombak et al; 2000 IEEE MTT-S Digest, pp 1345-1348.				—
	D13	“Design of dual-polarised multiband frequency selective surfaces using fractal elements,” by Werner et al, Electronics Letters, 16 th March, 2000, Vol. 36, No. 6, pp 487-488.				—
	D14	“On the Application of the Microgenetic Algorithm to the Design of Broad-Band Microwave Absorbers Comprising Frequency-Selective Surfaces Embedded in Multilayered Dielectric Media,” by Chakravarty et al, June, 2001 IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No. 6, pp 1050-1059.				—
	D15	“New Genetic-Algorithm-based Frequency Selective Surface Design for Dual Frequency Applications,” by Monorchio et al, 1999 IEEE, pp 1722-1725.				—
	D16	“Design of convoluted wire antennas using a genetic algorithm,” by Chuprin et al, IEE Proc-Microw. Antennas Propag., Vol. 148, No. 5, Oct 2001.				—
	D17	“High-Impedance Electromagnetic Ground Planes,” by Sievenpiper et al, 1999 IEEE MTT-S Digest, pp 1529-1532.				—
	D18	“High-Impedance Electromagnetic Surfaces with a Forbidden Frequency Band,” by Sievenpiper et al, IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No.11, Nov. 1999, pp 2059-2074.				—
	D19	“Antennas Research Activities at Loughborough University, by Professor Yiannis C. Verdaxoglou, printed 10/10/02 from website http://www.lboro.ac.uk/departments/el/research/				—
T.H.	D20	“High-Impedance Electromagnetic Surfaces,” thesis by Sievenpiper, 1999.				—
EXAMINER:	T.H.		DATE CONSIDERED:	12/23/03		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP.609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						